

Appendix A

Public Notification That a Potential Event Was Occurring (40 CFR §50.14(c)(1))

FIGURE A-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

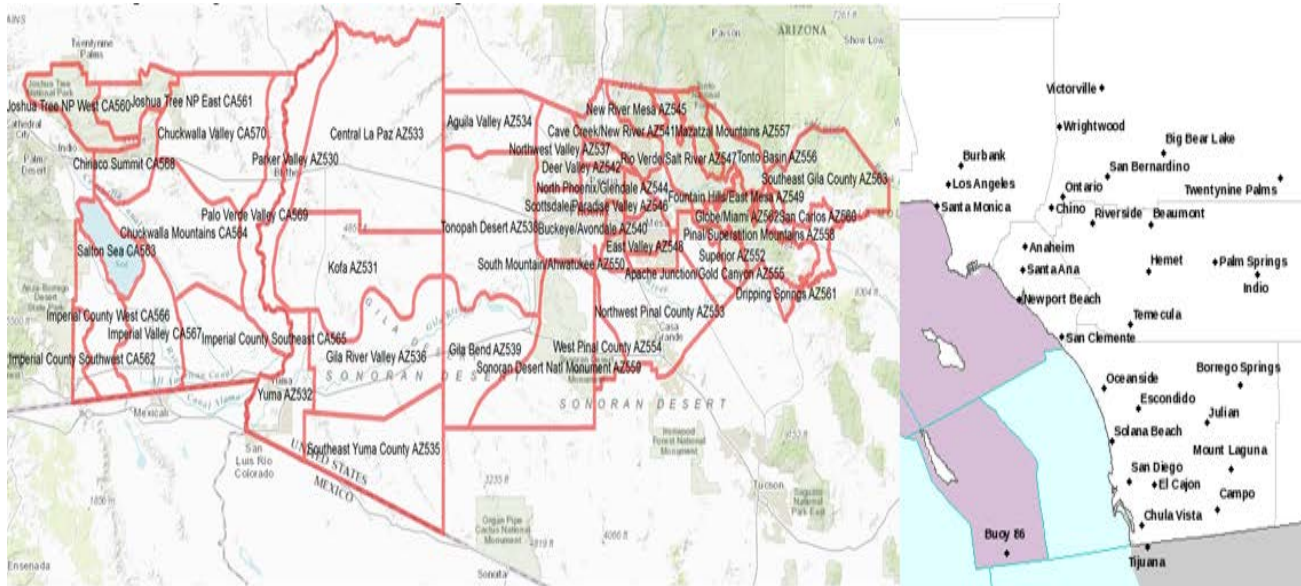


Fig A-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

The Appendix Supplemental contains all the pertinent National Weather Service notices issued by either the San Diego or Phoenix office in date and time order.

FIGURE A-2 IMPERIAL COUNTY ISSUED ADVISORY

The information herein is NOT intended for use as a weather forecast. The Air District DOES NOT forecast but solely compiles information from both the Phoenix and San Diego National Weather Offices to relay information concerning potential changes in ambient air concentrations that may impact the public

BE ADVISED

High wind levels have the potential to suspend particulate matter into the air. High levels of PM₁₀ may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.

Potential increases in PM₁₀ concentrations
may increase to moderate or unhealthy level.

National Weather Service Area Discussions

December 23 thru December 28, 2015

NWS Phoenix and San Diego Office

An unsettled weather pattern will set in for much of Arizona starting Tuesday and continuing into the coming holiday weekend. The first system will arrive Tuesday and move out late Wednesday. While rain is expected with this system, primarily north and east of Phoenix, amounts will be light and with snow levels at 6000 feet or higher, impacts will be minor. The second system, arriving Thursday and departing Saturday, may bring more substantial snowfall to northern Arizona; snow levels will fall to 3000 feet. Hazardous travel conditions are possible with this storm. Following the second storm, cold air will settle into the region with sub-freezing temperatures possible Saturday and Sunday morning across lower elevation locations. As the cold air comes in, gusty northerly winds will be possible across Southeast California, which may generate some areas of blowing dust and difficult crosswinds. Continue to monitor your favorite source of weather information for updates in the days ahead, especially if you have travel plans

Unsettled Weather Heading Into Christmas

Desert Rain South-Central Arizona	Mountain Snow Portions of Southern Gila County & Northern Arizona	Strong Winds & Dust Southeast California
Confidence: High	Confidence: Medium	Confidence: High
Impacts and Hazards: Round 1: Lingering Today Round 2: Thursday into Christmas Day Light rainfall amounts, one to three tenths of an inch from Phoenix and areas north & east, may make roads slick.	Impacts and Hazards: Round 1: Today Snow levels 6000ft+. Light accumulations. Minimal travel impacts. On and off shower coverage. Round 2: Thursday into Christmas Day Snow levels 3000ft. Moderate accumulations. Periods of difficult travel conditions possible.	Impacts and Hazards: North winds 20-30 mph; gusts to 40 mph Saturday. Areas of <i>blowing dust</i> that can lower visibility for motorists on 8 10 near El Centro, Yuma and Blythe. Strong cross winds.

Weather Forecast Office
 Phoenix, AZ
 12/23/2015 4:18 am MST

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 weather.gov/Phoenix

Fig A-2: Is a copy of the Imperial County Air Pollution Control District air quality advisory advising residents of Imperial County that “high winds have the potential to suspend particulate matter into the air.” The notice also discusses an unsettled weather pattern bringing strong winds and gusts to the region

FIGURE A-3
WEATHER BRIEFING FOR SOUTHEAST CALIFORNIA

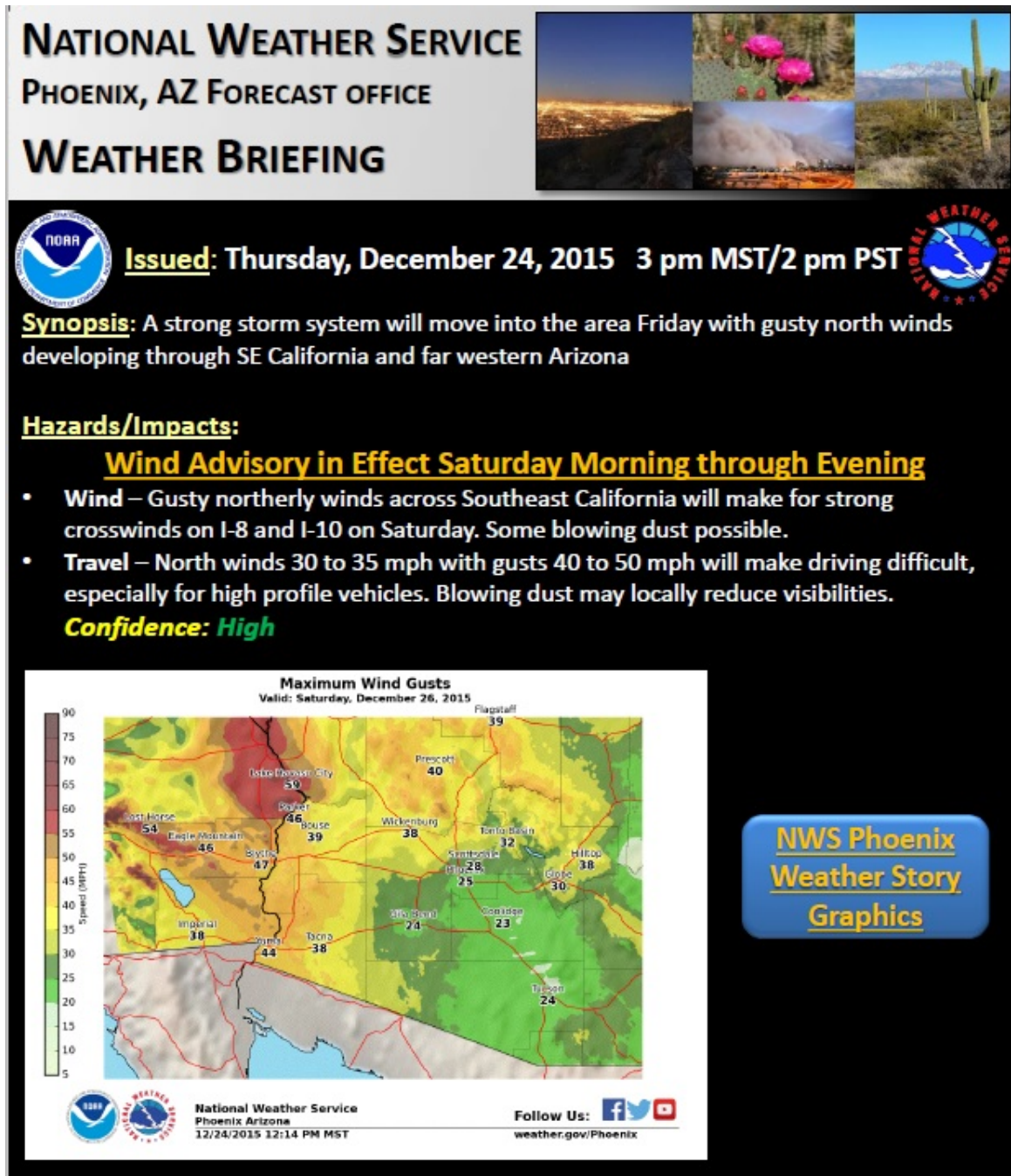


Fig A-3: An advisory issued by the NWS on December 24, 2015 warning that a strong storm would move through the area over the following days, bringing busy northerly winds and the possibility of blowing dust

FIGURE A-4
WEATHER BRIEFING FOR SOUTHEAST CALIFORNIA

NATIONAL WEATHER SERVICE
PHOENIX, AZ FORECAST OFFICE
WEATHER BRIEFING





Issued: Saturday, December 26, 2015 4am MST/3am PST

Valid Through: Monday morning



Synopsis: Strong winds are anticipated today across southeast California and western Arizona. In the wake of these winds, very cold temperatures are forecast across the region Sunday and Monday mornings.

Hazards/Impacts:

Saturday

Wind Advisory (SW AZ, SE CA deserts)

High Wind Warning (Joshua Tree N.P.)

- **Winds** – Gusty northerly winds across southeast California and western Arizona (30 – 40 mph with gusts of 50+ mph) . Winds could also produce areas of blowing dust.
- **Travel Impacts** – Difficult driving conditions due to strong crosswinds along Interstates 8 and 10, especially for high profile vehicles. Blowing dust may reduce visibilities.
- **Confidence: High**

Sunday & Monday Mornings

Freeze Warnings (Sunday AM)

Freeze Watches (Monday AM)

- **Temperatures** – Sunday morning lows in the mid to upper 20s in the normally colder outlying areas (La Paz & Pinal Co's). Slightly colder temperatures forecast area-wide Monday morning (most desert locales including Phoenix metro).
- **Impacts** – Prolonged exposure to cold temperatures could result in life-threatening conditions for the homeless population and animals. Exposed pipes/irrigation systems could also be damaged.
- **Confidence: Medium to High**

[NWS Phoenix](#)
[Weather Story](#)
[Graphics](#)

Fig A-4: An advisory issued by the NWS on December 26, 2015 warning advising of strong winds across southeast California and western Arizona. Identifies a Wind Advisory for Saturday, December 26, 2015

FIGURE A-5 HIGH WINDS AFFECT THE COACHELLA VALLEY

Cold, windy weather ahead for valley



Anna Rumer, The Desert Sun

5:13 p.m. PST December 26, 2015



(Photo: Jay Calderon/The Desert Sun)

A weekend of bad weather awaits the Coachella Valley, according to the National Weather Service, which issued two advisories for the area Saturday.

The high wind warning and frost advisory were issued for Palm Springs, Cathedral City, Thousand Palms, Sky Valley, Desert Hot Springs and Desert Edge, where winds between 25 and 35 mph steadily are expected to continue to kick up dust and sand through Sunday morning.

After that, the National Weather Service predicts that a low pressure system from Arizona will move into the area and weaken the winds.

The advisory warns that the 60 mph gusts that are expected to continue can lead to property damage, blowing sands and decreased visibility for motorists.

Loosely secured holiday decorations are also in danger.

Temperatures, which hit a high of 59 degrees during the day, were expected to drop to 42 degrees Saturday night before climbing back up to a more temperate 62 degrees Sunday afternoon. Monday, the frost is expected to return as the nighttime temperatures drop back down to 41 degrees.

Plants that are sensitive to temperature can die if left uncovered in this weather, according to the National Weather Service, making it vital for gardeners to secure their plants before the mercury drops.

As it gets late into Sunday, the weather will return to a more normal winter pattern for the desert, with daytime temperatures in the mid-to-low 60s through the rest of the week.

Fig A-5: The Desert Sun released a public notice identifying bad weather for the Coachella Valley. The article describes the high wind warning and frost advisories in effect for Palm Springs, Cathedral City, Thousand Palms, Sky Valley, Desert Hot Springs and Desert Edge. The article identified potential winds reaching 25 and 35 mph with blowing dust

FIGURE A-6 WINDS BUFFET SAN DIEGO COUNTY

3/19/2018 Cold Santa Ana Winds Buffet San Diego County - Times of San Diego

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LATEST NEWS Approaching Storm Expected to Slam Southern California Region **NEW!** Search Thousands of San Diego Jobs

Home » Life » This Article

Cold Santa Ana Winds Buffet San Diego County

POSTED BY CHRIS JENNEWELN ON DECEMBER 26, 2015 IN LIFE | 441 VIEWS | 0 COMMENTS | [LEAVE A COMMENT](#)

Share This Article:



Gusts sway palm trees. Photo via Pixabay

It is going to be a windy day in San Diego, with cold Santa Ana winds gusting to 35 mph along the coast and 65 mph inland.

The gusty winds across Southern California have already fed [one brush fire in Ventura County](#), which was reported at 1,000 acres and had closed U.S. 101.

Wind advisories are in effect until 4 p.m. Saturday for coastal areas and 3 a.m. Sunday inland. The [National Weather Service](#) said the strongest wind will occur in the mountains, valleys and below the passes and canyons.

San Diego will be sunny on Saturday with highs around 62. It will be cooler in the foothills, with highs only 47 to 52 after patchy frost in some areas overnight.

COLD SANTA ANA WINDS BUFFET SAN DIEGO COUNTY was last modified: December 26th, 2015 by Chris Jennewel

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<https://timesofsandiego.com/life/2015/12/26/cold-santa-ana-winds-buffet-san-diego-county/>

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Fig A-6: The Time of San Diego identified gusty winds across Southern California gusting to 35 mph

FIGURE A-7 SUSPENDED DUST DETECTED OVER SOUTHEASTERN CALIFORNIA

5/2/2017

Smoke Text Product - Satellite Services Division

Saturday, December 26, 2015

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY
THROUGH 0115Z December 27, 2015

SMOKE
Southern California:

A brush fire in Ventura County started late Friday night and it is said to have burned over 1,000 acres. The fire had been producing light to possibly moderately dense smoke which initially spread westward over the Pacific Ocean. However, by later in the afternoon, a change in wind direction resulted in some of the smoke offshore to begin moving back toward the coast and onshore.

BLOWING DUST
Southern California/Southwestern and Western Arizona/Northwestern Mexico: Strong northerly winds were responsible for an area of blowing dust which began prior to sunrise(1500Z) and continued through the day spreading to the south. The dust originated from a number of source regions over southern and southeastern California, southwestern and western Arizona, and northwestern Mexico including the area just north of the Gulf of California. The surrounding edges of the dust appeared to be thin in density though some embedded moderately dense to even locally dense dust was visible especially moving south over southeastern California, far southwestern Arizona, and far northwestern Mexico and over the northern part of the Gulf of California.

Northern Mexico/Southwestern Texas:
More streaks of mainly thin to possibly locally moderately dense blowing dust were observed developing from a number of sources in northern Mexico after 20Z and spreading to the northeast. Some of the blowing dust had reached the Texas border around Presidio and Brewster Counties just prior to sunset. Cloudiness over northern Mexico, New Mexico, and portions of western and southwestern Texas likely interfered with additional dust detection in satellite imagery given the strong winds which were occurring over this region.

JS

THIS TEXT PRODUCT IS PRIMARILY INTENDED TO DESCRIBE SIGNIFICANT AREAS OF SMOKE ASSOCIATED WITH ACTIVE FIRES AND SMOKE WHICH HAS BECOME DETACHED FROM THE FIRES AND DRIFTED SOME DISTANCE AWAY FROM THE SOURCE FIRE..TYPICALLY OVER THE COURSE OF ONE OR MORE DAYS. AREAS OF BLOWING DUST ARE ALSO DESCRIBED. USERS ARE ENCOURAGED TO VIEW A GRAPHIC DEPICTION OF THESE AND OTHER PLUMES WHICH ARE LESS EXTENSIVE AND STILL ATTACHED TO THE SOURCE FIRE IN VARIOUS GRAPHIC FORMATS ON OUR WEB SITE:

JPEG: <http://www.ospo.noaa.gov/Products/land/hms.html>
GIS: <http://www.firedetect.noaa.gov/viewer.htm>
KML: <http://www.ssd.noaa.gov/PS/FIRE/kml.html>
ANY QUESTIONS OR COMMENTS REGARDING THIS PRODUCT SHOULD BE SENT TO
SSDFireTeam@noaa.gov

Unless otherwise indicated:

- Areas of smoke are analyzed using GOES-EAST and GOES-WEST Visible satellite imagery.
- Only a general description of areas of smoke or significant smoke plumes will be analyzed.

<http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2015/2015L270325.html>

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Fig A-7: NOAA's Satellite Services Division Smoke Text Product identified dense dust drifting over southeastern California, western Arizona, and northwestern Mexico because of the high winds that blew out of the north. Source:

<http://www.ssd.noaa.gov/PS/FIRE/smoke.html>

FIGURE A-8
IMPERIAL COUNTY DAILY WEATHER AND AG BURNING INFORMATION

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Saturday, December 26, 2015

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	57	WNW 14/G 24	6
8 AM	58	WNW 16/G 23	10
9 AM	61	WNW 14	10
10 AM	62	NNW 12/G 20	10
11 AM	62	NNW 9	10
NOON	65	WNW 12	10
1 PM	65	N 8	10
2 PM	65	NW 8	10
3 PM	66	NNW 8	10
4 PM	64	N 8	10
5 PM	58	NNW 3	10
6 PM	55	W 9	10
7 PM	56	N 8	10

Max. Temperature yesterday was 66 degrees

Today's Mt. Signal Visibility at 7:30 AM Hazy NKX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 57 to 62

	Local Forecast (Issued 8 AM Local)	Computer Forecast (RUC 40KM 12Z)
Est. Time Mixing Height reaches 3000 feet	-	10:00 am
Forecast of Maximum Mixing Height	- feet	6,889 feet
Forecast for Morning surface winds	N 20-30/G 40 mph	N 15 mph
Forecast for afternoon surface winds	N 20-30/G 40 mph	N 15 mph
Forecast for evening surface winds	NW 20-30 mph	
Forecast 10 AM - 3 PM transport winds	N 25-30 mph	

Comments/Complaints: Windy with Blowing Dust & Sand today in Imperial County.

Burn Hours _____ ARB No Burn Day _____ District called No Burn Day XX

Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int CM

Fig A-8: Is a copy of the Imperial County Air Pollution Control District official record of the conditions, as they existed for a determination of a "No Burn" day on December 26, 2015

**FIGURE A-9
AIR QUALITY INDEX**

Air Quality Index Levels of Health Concern	Numerical Value	Meaning
Good	0 to 50	Air quality is considered satisfactory, and air pollution poses little or no risk.
Moderate	51 to 100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	151 to 200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	201 to 300	Health alert: everyone may experience more serious health effects.
Hazardous	301 to 500	Health warnings of emergency conditions. The entire population is more likely to be affected.

Fig A-9: The Air Quality Index is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health affects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health .Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. Source:

<https://airnow.gov/index.cfm?action=aqibasics.aqi>

FIGURE A-10
IMPERIAL COUNTY AFFIDAVIT 30 DAY PUBLIC NOTICE

AFFIDAVIT OF PUBLICATION
(2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk* of the printer of the

Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

04/20 .

all in the year 2018

I certify (or declare) under penalty of perjury that the foregoing is true and correct.


 SIGNATURE

Name of Account: I C AIR POLLUTION
 CONTROL
 Order Number: 11171755
 Ad Number: 31397051

* Printer, Foreman of the Printer, or Principal Clerk of the Printer

Date: 20 th day of April, 2018.
 at El Centro, California.

This space is for the County Clerk's
 Filling Stamp:

RECEIVED
APR 23 2018
AIR POLLUTION
CONTROL DISTRICT

Proof of Publication of:

**NOTICE OF AVAILABILITY
 OF THE DEMONSTRATION OF THE OCCURRENCE
 OF SEVEN EXCEPTIONAL EVENTS (EE)**

The Imperial County Air Pollution Control District (Air District) has prepared seven Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion of measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a Federal Reference Method monitor (FRM) or with a continuous Federal Equivalent Method monitor (FEM) are the seven Draft EE's.

2014				2015			
August 18	FEM	162	ug/m3	September 14	FEM	168	ug/m3
Niland				Brawley			
October 31 - November 1				October 01	FEM	171	ug/m3
Niland	FEM	181	ug/m3	Niland			
Brawley	FRM	471	ug/m3	October 04	FEM	166	ug/m3
Westmorland	FRM	404	ug/m3	Brawley			
Niland	FRM	173	ug/m3	Westmorland	FEM	250	ug/m3
Niland	FEM	219	ug/m3				
November 16				December 26	FRM	165	ug/m3
Brawley	FEM	210	ug/m3	Westmorland			
Niland	FEM	249	ug/m3	Westmorland	FEM	198	ug/m3

The public and all interested parties are encouraged to review and comment on the seven Draft EE's listed above. These demonstrations provide the supporting evidence that on the days indicated for 2014 and 2015 Air District air monitors were affected by entrained elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM10). Winds, associated with a weather event entrained PM10 into the region affecting areas within San Diego, Riverside, Yuma and Imperial counties. The seven Draft EE's provide the scientific justification for the requested exclusions. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is May 21, 2018 by close of business.

The seven Draft EE's for days listed above are available for download at the Air District website at www.co.imperial.ca.us, under "Air Pollution". To view a hard copy of any of the eight Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 265-1800 and ask for Monica N. Soucier.

L926 A20

Fig A-10: A copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Event Demonstration for December 26, 2015. The date for closing comments was May 21, 2018

FIGURE A-11
IMPERIAL COUNTY
COMMENTS REGARDING THE DECEMBER 26, 2015 EE DEMONSTRATION

The ICAPCD did not receive any comments